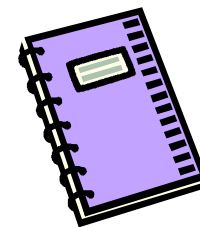


Objectives

- Describe three situations in which lead sampling is performed
- Use the **Field Guide** to plan for and perform an examination



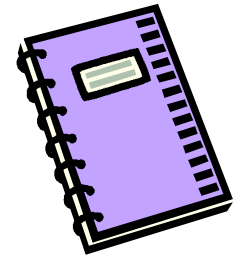
Why Different Types of Exams?

- Post-renovation clearance
 - ✓ To determine if the unit is clean
- HUD-required clearance
 - ✓ As required by the HUD Lead-Based Paint Regulation
- Other lead sampling examinations
 - ✓ For information on potential lead hazards

Key Differences in Protocols

- Qualifications of the examiner
- Examination procedures
- Standards for evaluating hazards

See Field Guide for protocols



Before the Examination

Information to give the client:

- Purpose of the examination
 - ✓ Not a risk assessment or paint inspection
 - Examination procedures
 - ✓ Clean first
 - Implications of results
 - ✓ Disclosure
 - ✓ Occupancy
- (See Attachment 5-A)*



Before the Examination

Information to get from the client:

- Age of dwelling (pre-78?)
- Was abatement performed?
- Why is the client requesting the exam?

See Attachment 5-A

Post-Renovation Clearance

Purpose

- To determine if:
 - ✓ A dwelling is clear of lead-contaminated dust
 - ✓ After renovation or remodeling
- Voluntary examination

Post-Renovation Clearance

Examiner Qualifications

- Risk Assessor, Paint Inspector, or Lead Sampling Technician
- Lead Sampling Technician cannot perform post-abatement clearance
- Check State, local, and Tribal laws too



Post-Renovation Clearance

Preparing for the Examination

- Tell client to clean unit
 - ✓ At least one hour after work is done
 - ✓ At least one hour before clearance
- Provide guidance on cleaning
 - ✓ See Appendix B
- Ask where work occurred

Post-Renovation Clearance

Visual Assessment

- Perform in clearance area
 - ✓ All rooms where work occurred
- If poor conditions:
 - ✓ Correct poor conditions before dust sampling
 - ✓ Provide the client with information on potential sources of lead exposure (See Appendix B)

Post-Renovation Clearance

Dust Sampling--Locations

- Take dust wipe samples **in work area**
 - ✓ Up to four rooms
- Surfaces to sample:
 - ✓ Floors – one in each room sampled
 - ✓ Window sills – only in rooms where work was done on windows

Post-Renovation Clearance Results and Reporting

- Analyze the results and use EPA Guidance
 - ✓ Floors: $100 \mu\text{g}/\text{ft}^2$
 - ✓ Interior window sills: $500 \mu\text{g}/\text{ft}^2$
 - ✓ Window troughs: $800 \mu\text{g}/\text{ft}^2$

Post-Renovation Clearance Results and Reporting

- Write the report (See **Appendix B**)
- Clearance Failures
 - ✓ Re-clean unit
 - ✓ Re-testing
 - ✓ Recommend fixing deteriorated paint

HUD-Required Clearance

- Clearance is **required** by HUD after
 - ✓ Lead hazard reduction activities
 - ✓ Rehabilitation that disturbs paint
 - ✓ Maintenance activities required by HUD to address lead hazards

HUD-Required Clearance

- Key differences with other clearance
 - ✓ Qualifications of examiner
 - ✓ Standards for evaluating hazards
 - ✓ Examination procedure

HUD-Required Clearance Examiner Qualifications

- Examiner must be
 - ✓ Certified (or supervised)
 - ✓ Independent (unless in-house employee)
- Lead sampling technician can perform clearance in single units
 - ✓ But not in multifamily properties where a sample of units is tested to represent the whole property

HUD-Required Clearance

What is the Clearance Area?

- Entire unit
 - ✓ In most cases
- Work site only
 - ✓ Small rehabilitation jobs (\leq \$5,000)
 - ✓ Some maintenance activities required by HUD
- Ask the client

HUD-Required Clearance

Visual Assessment

- If clearance area does not pass visual assessment, do not perform dust sampling
 - ✓ Deteriorated paint must be stabilized
 - ✓ Area must be visually clean

HUD-Required Clearance

Sampling Locations – Rooms

- Unit-wide clearance (most cases)
 - ✓ 4 rooms unit-wide
 - ✓ Areas where work took place and where children spend time
- Work site clearance
 - ✓ Up to 4 rooms in work areas

HUD-Required Clearance

Sampling Locations – Surfaces

■ Floors

- ✓ One per room sampled

■ Windows

- ✓ If no work was done on windows – sample window sills only
- ✓ If work was done on windows – alternate sills and troughs

HUD-Required Clearance Results

- Analyze the results
 - ✓ Use HUD Interim Standards:
 - Floors: $40 \mu\text{g}/\text{ft}^2$
 - Interior window sills: $250 \mu\text{g}/\text{ft}^2$
 - Window trough: $800 \mu\text{g}/\text{ft}^2$

HUD-Required Clearance Reporting

- Analyze the results
 - ✓ Use HUD Interim Standards
- Write the report (See Appendix B)
 - ✓ Signed by examiner
- Clearance Failures
 - ✓ Correct conditions
 - ✓ Conduct clearance again



Other Lead Sampling Exams

- For information on potential lead hazards
- Voluntary examination



Other Lead Sampling Exams

Preparing for the Examination

- Cleaning – does client want results for:
 - ✓ Clean home, or
 - ✓ Ordinary conditions
- Sampling area
- Single vs. composite sampling

Other Lead Sampling Exams

Performing the Exam

- Conduct visual assessment first
 - ✓ Advise client of potential hazards
 - ✓ Provide information (Appendix B)
- Conduct dust sampling



Other Lead Sampling Exams

Dust Sampling Locations

- Rooms – where children spend time
- Surfaces
 - ✓ Floors – 4 single or 1 composite
 - ✓ Windows
 - 2 window sills or 1 composite
 - 2 window troughs or 1 composite

Other Lead Sampling Exams

Results and Reporting

- Use EPA Guidance
- Use standard report form
- Examination failures
 - ✓ Advise client to re-clean and retest
 - ✓ Consider risk assessment

See Appendix B for handouts